

FUNCTIONS AND EQUATIONS

1. FUNCTION: describes a relationship between 2 quantities in a pair (x, y)
2. INPUT: The first number in a function (x)
This is the independent variable.
3. OUTPUT: The second number in a function (y)
This is the dependent variable - it depends on x .

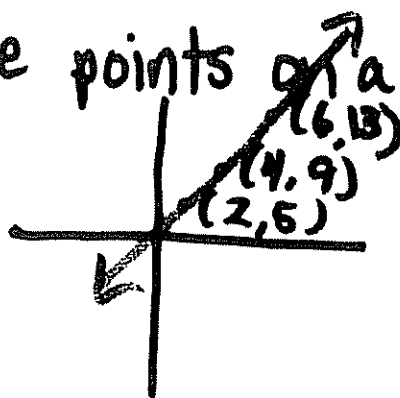
I GRAPHING A FUNCTION

1. Create an input, output table.

Input (x)	rule: $y = 2x + 1$	Output (y)
2	$y = 2(\quad) + 1$	
4	$y = 2(\quad) + 1$	
6	$y = 2(\quad) + 1$	

2. Name the ordered pairs.
 $(2, 5)$ $(4, 9)$ $(6, 13)$

3. Plot the points on a graph. connect to make a line.



II Writing a function rule.

1. Figure out the pattern of the input, output table.